Title: PHOTOCROMIC POLYMER COMPOSITIONS AND ARTICLES THEREOF

Abstract: Described is a photochromic polymer composition including the reaction product of at least one polymerizable photochromic material and at least one other copolymerizable material having a glass transition temperature of less than 23°C upon polymerization. The photochromic polymer composition is adapted to provide an increased Fade Half Life in the Photochromic Polymer Performance Test as compared to the same photochromic compound used in the reaction product, but free of polymerizable groups. Also described are photochromic articles including the photochromic polymer composition.
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 C09K9/02 C09K11/06 G02B5/23

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09K G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<td>Y</td>
<td>US 6 146 554 A (WEIGAND UDO ET AL) 14 November 2000 (2000-11-14) column 11, line 56 -column 12, line 17; claims 1-27</td>
<td>1-41</td>
</tr>
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

**Date of the actual completion of the international search**

25 June 2003

**Date of mailing of the international search report**

05/08/2003

**Name and mailing address of the ISA**

European Patent Office, P.O. Box 5016 Patentlaan 2 NL-2280 HJ Rijswijk
Tel: (+31-70) 340-2000, Tx: 31 651 epos nl, Fax: (+31-70) 340-3016

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Wengeler, H

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